

DEFU 08 is a next-generation, fast-acting and environmentally friendly liquid formulation engineered for efficient hydrogen sulfide (H₂S) removal from oil and wastewater systems. Compared to conventional liquid desulfurization agents, it offers higher sulfur removal efficiency, a wider operating range and superior safety performance. With its low freezing point and high chemical stability, DEFU 08 ensures reliable operation across diverse field conditions – delivering effective, selective H₂S removal while upholding environmental compliance and process safety.

Typical Characteristics

Parameter	Specification
Appearance	Colourless to pale yellow liquid
Odour	Minor pungent odour
Density @ 20°C (g/cm ³)	1.09 – 1.15
pH, 1% aqueous solution	9.0 – 12.0
Solubility	Soluble in water
Flash point, closed (°C)	> 100

Application

- Specifically developed for oil and gas drilling operations in high-sulfur formations
- Effectively removes intruding H₂S gas, ensuring safe drilling conditions by preventing corrosion of downhole tools and protecting personnel from H₂S exposure
- Exhibits high solubility and can be diluted with water at any ratio without affecting drilling fluid properties

Packaging and Storage

DEFU 08 is packaged in 220 kg drum or 1100 kg drum.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking. Avoid using rubber (natural or synthetic) as packaging materials.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

This document is supplied solely for informational purposes and Solent Chemicals makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale.